QUICKIE Xperience™

Owner's Manual

Mid- Wheel Drive

Supplier: This manual must be given to the user of this wheelchair.

User: Before using this wheelchair read this entire manual and save for future reference.

SUNRISE MEDICAL.
www.sunrisemedical.ca

Improving People's Lives

SUNRISE LISTENS

Thank you for choosing a Quickie wheelchair. We want to hear your questions or comments about this manual, the safety and reliability of your chair, and the service you receive from your Sunrise supplier. Please feel free to write or call us at the address and telephone number below:

Sunrise Medical
Customer Service Department
237 Romina Drive, Unit 3
Concord, Ontario, Canada
L4K 4V3
1-800-263-3390

FOR ANSWERS TO YOUR QUESTIONS

Your authorized supplier knows your wheelchair best, and can answer most of your questions about chair safety, use and maintenance. For future reference, fill in the following:

Supplier: _____

Address: _____

_____

Telephone: _____

Serial #: _____

Date/Purchased: _____

USER WARNING

⚠ WARNING

Attention wheelchair users, do not operate this wheelchair without first reading the owner's manual. If you do not understand the instructions and warnings of this owner's manual please contact your dealer or qualified technician before operating this Quickie wheelchair. Failure to do so may result in damage and/or injury.

DEALER/TECHNICIAN WARNING

⚠ WARNING

Attention dealers and qualified technicians, do not operate or service this wheelchair without first reading this owner's manual. If you do not understand the instructions and warnings of this owner's manual please contact the Quickie Technical Service Department before operating and/or servicing this Quickie wheelchair. Failure to do so may result in damage and/or injury.

⚠ WARNING

In addition, power wheelchairs may contain printed circuit boards. Careful attention should be given to the Printed Circuit Board Handling Techniques insert supplied with the chair.

Related Documents

Listed below are additional documents which are referenced in this owner's manual.

- Penny & Giles:
  - R-Net module user information sheet
  - R-Net power module user information sheet
  - R-Net intelligent lighting/seating module
  - R-Net input output module
  - R-Net on-board programming manual
  - R-Net Omni technical manual
  - VR2 wheelchair control system
  - VR2 attendant module
  - PPIA programming and diagnostics
- AMYSEAT owner's manual

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YOUR QUICKIE XPERIENCE CHAIR AND ITS PARTS



1. Armrest
2. Joystick
3. Seat Pan
4. Front Hanger
5. Caster Tire
6. Single Foot Plate
7. Backrest
8. Push Handle
9. Free-wheel Release Lever
10. Seat Frame
11. Drive Wheels
12. Base Frame
13. Caster Fork

Base Chair User Weight Limits*
300 lbs to 400 lbs
*Weight capacity may vary due to options chosen, refer to appropriate order form.

Drive Wheels
14" x 3" (12.5" x 3" Option)
Tire types: Standard - pneumatic
Option - solid insert

Lift (Option)
11" elevation
300 lb capacity

Tilt (Option)
50° CG Tilt
400 lb capacity

Joystick
Standard - Joystick (right-hand or left-hand mount, fixed)
Option - swing-away mount

Battery Sizes
(2 deep cycle batteries required to operate chair)
Option - Group 24 or 22

Battery Charger
Standard -8 amp off-board

Seat Frame Dimensions
Frame width:
Eclipse Rehab Seat – 10" - 22" (1" increments)
Seat depth:
Eclipse Rehab - 10" - 22" (1" increments)
Seat height:
Eclipse Rehab seat; from 15,5"
Seat : Eclipse Rehab Seat - Adjustable pan
Cushions: 2" or Profiled

Backrest
Eclipse Rehab Seat - Fixed, non-recline: 15" - 25"
Option - Power recline
(Eclipse Rehab Seat only) 400 lb capacity

Caster Fork
Standard - Fixed

Footrest
Option - (Adjustable: 60°,70°, 80°, 90°)
swing-away, elevating legrests,
angle-adjustable footplate,
toe loops, extension tubes,
Center mount, solid one-piece or two piece angle adjustable,

Casters
6" or 8" pneumatic or solid

Armrests
Standard – Cantilever height adjustable flip-back arms
Option - dual post fixed or height-adjustable with standard or full length pad, recline height-adjustable

All features may not be available with some chair setups or in conjunction with another chair feature. Please consult your supplier for more information. Your authorized supplier can also provide you with more information on accessories.

Option - (Adjustable: 60°,70°, 80°, 90°)
swing-away, elevating legrests,
angle-adjustable footplate,
toe loops, extension tubes,
Center mount, solid one-piece or two piece angle adjustable,

IV. NOTICE –READ BEFORE USE

A.CHOOSE THE RIGHT CHAIR & SAFETY OPTIONS

Sunrise provides a choice of many power wheelchair styles, sizes and adjustments to meet the needs of the user. However, final selection of a wheelchair rests solely with you and your health care professional. Choosing the best chair for you depends on such things as:

1.Your size, disability, strength, balance and coordination.

2. Your intended use, and your level of activity.
3. The types of hazards you must overcome in daily use (in areas where you are likely to use your chair).
4. The need for options for your safety and comfort (such as positioning belts or special seating systems).

B. ADJUST CHAIR TO YOUR ABILITY

You need to work with your doctor, nurse or therapist, and your supplier, to fit this chair and adjust the controller settings for your level of function and ability.

C. REVIEW THIS MANUAL OFTEN

Before using this chair you, and each person who may assist you, should read this entire Manual and make sure to follow all instructions. Review the warnings often, until they are second nature to you.

D.WARNINGS

The word "WARNING" refers to a hazard or unsafe practice that may cause severe injury or death to you or to other persons. The "Warnings" are in four main sections, as follows:

1. V — EMI
Here you will learn about electromagnetic interference and how it can affect your chair.

2. VI — GENERAL WARNINGS
Here you will find a safety checklist and a summary of risks you need to be aware of before you ride this chair.

3. VII — WARNINGS — COMPONENTS & OPTIONS
Here you will learn about your chair. Consult your supplier and your health care professional to help you choose the best set-up and options for your safety.

4. XI — BATTERIES
Here you will learn about battery and charger safety, and how to avoid injury.

Q-NOTE- Where they apply, you will also find "Warnings" in other sections of this Manual.

Throughout this owner's manual and on the wheelchair you will see the icons listed below to identify warnings and potential hazards. It is important to read and understand all of them and understand them.

WARNING! These warnings must be followed, failure to do so may cause personal injury or may damage the wheelchair.

PROHIBITED! Prohibited actions must never be performed. Performing an action that is prohibited can cause personal injury or may damage the wheelchair.

Q-NOTE: Q-Notes are informative statements to help further explain actions, warnings or product detail.

ESD: Electrostatic Discharge has a potential to damage printed circuit boards unless handled correctly. When the ESD symbol is shown throughout the owner's manual, use the Proper Handling Techniques Insert supplied with the chair to properly handle printed circuit boards.

V. EMI (ELECTROMAGNETIC INTERFERENCE)

WARNING

Heed all warnings to reduce the risk of unintended brake release or chair movement:

1. Beware of the danger from hand-held transceivers. Never turn on or use a hand-held transceiver while power to your chair is on. Use extra care if you believe that such a device may be in use near your chair.
2. Be aware of nearby radio or TV stations, and avoid coming close to them.
3. If unintended movement occurs, turn your chair off as soon as it is safe to do so.

A.WHAT IS EMI?

WARNING

1. EMI means: electromagnetic (EM) interference (I). EMI comes from radio wave sources such as radio transmitters and transceivers. (A "transceiver" is a device that both sends and receives radio wave signals).

2. There are a number of sources of intense EMI in your daily environment. Some of these are obvious and easy to avoid. Others are not, and you may not be able to avoid them.

3. Powered wheelchairs may be susceptible to electromagnetic interference (EMI) emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two way radios, and cellular phones.

4. EMI can also be produced by conducted sources or electrostatic discharge (ESD).

B. WHAT EFFECT CAN EMI HAVE?

⚠ WARNING

1. EMI can cause your chair, without warning, to:
- Release its brakes
- Move by itself
- Move in unintended directions

If any of these occurs, it could result in severe injury to you or others.

2. EMI can damage the control system of your chair. This could create a safety hazard, and lead to costly repairs.

C. SOURCES OF EMI

⚠ WARNING

The sources of EMI fall into three broad types:

1. Hand-Held Transceivers:

The antenna is usually mounted directly on the unit. These include:
- Citizens band (CB) radios
- "Walkie-talkies"
- Security, fire and police radios
- Cellular phones
- Lap-top computers with phone or fax
- Other personal communication devices

Q-NOTE- These devices can transmit signals while they are on, even if not in use.

2. Medium-Range Mobile Transceivers:

These include two-way radios used in police cars, fire trucks, ambulances and taxi cabs. The antenna is usually mounted on the outside of the vehicle.

3. Long-Range Transceivers:

These include commercial radio and TV broadcast antenna towers and amateur (HAM) radios.

NOTE- The following are not likely to cause EMI problems: Lap-top computers (without phone or fax),
Cordless phones, TV sets or AM/FM radios, CD or tape players.

D. DISTANCE FROM THE SOURCE

⚠ WARNING

EM energy rapidly becomes more intense as you get closer to the source. For this reason, EMI from hand-held devices is of special concern. (See C.1 above) A person using one of these devices can bring high levels of EM energy very close to your chair without you knowing it.

E. IMMUNITY LEVEL

⚠ WARNING

1. The level of EM is measured in volts per meter (V/m). Every power wheelchair can resist EMI up to a certain level. This is called its "immunity level".

2. The higher the immunity level, the less the risk of EMI. It is believed that a 20 V/m immunity level will protect the power wheelchair user from the more common sources of radio waves.

3. The configuration tested and found to be immune to at least 20 V/m is: Quickie Xperience power wheelchair with a right-hand mounted P & G remote joystick system, 18" seat width, 18" seat depth, dual post height adjustable armrests, fixed tapered legrests with one piece solid footplate, and Gp 24 gel cell batteries.

4. The following specialty input devices have an unknown effect on the immunity level because they have not been tested with the Quickie Xperience and P & G control system:
- Breath Control
- Proportional Head Control
- Tri-Switch Head Array
- Proportional Mini-Joystick/Chin Control
- Heavy Duty Switched Joystick
- Buddy Button
- Treadle Switch
- Micro Light
- Ribbon Switch
- Star Board
- Proximity Head Array
- Wafer Board
- Zero Touch Switch
- Penta Switch
- 4-Zero Touch Switch
- Plate Switch
- 5-Zero Touch Switch
- Soft Switch
- Disc Switch
- Grasp Switch
- Wobble Switch

⚠ WARNING

Individuals with physical limitations requiring the use of a specialty control input device known not to be immune to 20V/m, or not known, should exercise extra care around known sources of EMI.

⚠ WARNING

There is no way to know the effect on EMI if you add accessories or modify this chair. Any change to your chair may increase the risk of EMI. Parts not specifically tested or parts from other suppliers have unknown EMI properties.

F. REPORT ALL SUSPECTED EMI INCIDENTS

⚠ WARNING

You should promptly report any unintended movement or brake release. Be sure to indicate whether there was a radio wave source near your chair at the time. Contact: Sunrise Medical, Customer Service Department at (800) 263-3390

G. EMI FROM CHAIR

⚠ WARNING

The chair itself can disturb the performance of electro-magnetic fields such as emitted by alarm systems of shops.

⚠ WARNING

Heed all warnings in this section. If you fail to do so a fall, tip-over or loss of control may occur and cause severe injury to you or others.

A.NOTICE TO USER AND ATTENDANTS

⚠ WARNING

User

1. Before using this chair, you should be trained in its safe use by your health care professional.
2. Every wheelchair is different. Take the time to learn the feel of this chair before you begin riding.
3. Be aware that you must develop your own methods for the safe use of this chair, that are best suited to your level of function and ability.
4. Have someone help you practice bending, reaching and transfers until you learn how to do them safely.
5. Never try a new manoeuvre on your own unless you are sure it is safe.
6. Get to know the areas where you plan to use your chair. Look for hazards and learn how to avoid them.
7. Always wear a positioning strap.
8. Do not use a wheelchair if the joystick does not spring back to the neutral position.
9. Do not use your wheelchair if the joystick boot is ripped or damaged.
10. Do not try to tip this wheelchair without an attendant present.

User and Attendants

1. When transferring the user in or out of the wheelchair never use the footplate as a platform.
2. Do not lift this wheelchair by any parts that are removable, doing so may result in damage to the wheelchair or injury to the user.
3. Never try to stop or slow this wheelchair with the wheel locks (if applicable). Wheel locks are designed to prevent the chair from moving when stopped. They are not brakes.
4. Always keep your hands and body parts clear of moving parts to help prevent injuries.

Attendants

⚠ WARNING

Make sure you heed all warnings and follow all instructions in each section of this manual. Be aware that warnings that apply to the user also apply to you.

1. Do not stand or sit on any portion of this wheelchair.
2. You need to work with the user, and the user's doctor, nurse or therapist, to develop safe methods best suited to your abilities and those of the user.
3. To manually push the chair you must release the motor locks.
   - Do not engage or disengage motor locks unless power to the chair is off. In addition, make sure both free wheel levers are completely pushed in before turning the power on to ensure the wheelchair can be driven in a straight forward motion.
   - Make sure you have full control over the chair when you release the motor locks. When you do so the chair will not have brakes.
   - Make sure the chairs is on level ground before you release the motor locks.

NOTE- To release the wheel locks the wheel chair may need to be rocked back and forth slightly several times before the lock will release.

4. Propel this chair by the push handles only. They provide secure points for you to hold onto the rear of the chair to prevent a fall or tip-over.
   - Check to make sure push handle grips will not rotate or slip off.

B. WEIGHT LIMIT

⚠ WARNING

1. The user plus items carried should never exceed the total weight capacity identified on your chair.
2. Never use this chair for weight training if the total weight (user plus additional weights) exceeds weight capacity.
3. Exceeding the weight limit is likely to damage the seat, frame, or fasteners, and may cause severe injury to you or others from chair failure.
4. Exceeding the weight limit will void the warranty.

C. CONTROLLER SETTINGS

⚠ WARNING

Be aware that you may need to adjust the controller settings of your chair.

1. Check and adjust the settings every six to twelve months.
2. Consult your supplier to adjust the control settings immediately if you notice any change in your ability to:
   - Control the joystick
   - Hold your torso erect
   - Avoid running into objects.

D.EMI

⚠ WARNING

Read Section V to learn about EMI. To reduce the risk of unintended brake release or chair movement:

1. Never turn on or use a hand-held transceiver while power to your chair is on. Use extra care if you believe that such a device may be in use near your chair.
2. Be aware of nearby radio or TV stations, and avoid coming close to them.
3. If unintended movement or brake release occurs, turn your chair off as soon as it is safe.

E. SAFETY CHECK-LIST

⚠ WARNING

Before each use of this chair:

1. Make sure the chair operates smoothly. Check for noise, vibration, or a change in ease of use. (These may indicate low tire pressure, loose fasteners, or damage to your chair).
   - If you detect a problem, make sure to repair or adjust the chair. Your supplier can help you find and correct the problem.
2. Make sure batteries are charged. Green lights on charge indicator will light up when charge is full. Yellow lights indicate battery charge level is getting low. Red lights indicate batteries are in immediate need of charging.

F. CHANGES & ADJUSTMENTS

PROHIBITED!

Never use non-Quickie parts to replace Quickie provided parts or make changes to your chair unless authorized by Sunrise. (Doing so will void the warranty and may create a safety hazard.)

WARNING

Accessories designed by manufacturers other than Sunrise, is not available through Sunrise the order process have not been tested or approved for use by Sunrise.

1. If you modify or adjust this chair it may increase the risk of a fall or tip-over.
2. Modifications unauthorized by Sunrise constitutes remanufacturing of the wheelchair. This voids the warranty. The user then assumes all future liability for the wheelchair.

G.WHEN SEATED IN A PARKED WHEELCHAIR

WARNING

1. Always turn off all power to your chair when you are parked, even for a moment. This will prevent:
   - Accidental movement from contact with the joystick by you or others.
   - Unintended brake release or movement from EMI sources. (See Section V)
2. Make sure that persons who help you (for example, store clerks) are aware of the joystick and do not touch it. If they do, your chair may move suddenly when you do not expect it.

H.ENVIRONMENTAL CONDITIONS

WARNING

Your chair is not designed for use in a heavy rain storm, or in snowy or icy conditions.

1. Contact with water or excessive moisture can cause an electrical malfunction. The frame, motors and other chair parts are not water-tight and may rust or corrode from the inside.

To avoid a chair failure:

- Minimize exposure of your chair to rain or very wet conditions.
- Never take your chair into a shower, tub, pool or sauna.
- Do not use your chair in fresh or salt water (such as at the edge of a stream, lake, or ocean).
- Make sure battery cover is secure.
- Replace joystick boot if it becomes torn or cracked.
- Make sure all electrical connections are secure.
- Dry the chair as soon as you can if it gets wet, or if you use water to clean it.

2. Proceed slowly and use extra care if you must operate your chair on a wet or slick surface.
   - When in doubt, have someone help you.
   - Do so only if you are sure it is safe.
   - Stop if one or both main wheels lose traction. If this occurs, you may lose control of your chair or fall.
   - Never operate your chair on a slope or ramp if there is snow, ice, water or an oil film present.
3. When not in use, keep your chair in a clean, dry place.

WARNING

Extra caution should be used when employing the disc switch or the proximity head array as control devices. These two devices are susceptible to malfunction when wet.

I. TERRAIN

WARNING

1. This chair will perform at optimum on firm, even surfaces such as concrete, asphalt and indoor flooring.
2. Although equipped with suspension, the performance can be substantially reduced on uneven surfaces and rough terrain.
3. Do not operate the chair on sand, loose gravel or soil. Doing so may damage wheels, bearings, axles, motors or loosen fasteners.

J. STREET USE

WARNING

In most provinces, power chairs are not legal for use on public roads. Be alert to the danger of motor vehicles on roads or in parking lots.

1. Do not operate this wheelchair on any roadways that do not allow non-motor vehicle traffic.
2. When visibility is limited by either darkness or weather conditions, do not operate the chair on any roadways.
3. It may be hard for drivers to see you. Make eye contact with drivers before you proceed. When in doubt, yield until you are sure it is safe.

K. MOTOR VEHICLE SAFETY

Your chair has been manufactured with built-in Transport Brackets only.

WARNING

These transport brackets have not been crash-tested in accordance with WC-19. Use these transport brackets only to secure an unoccupied wheelchair during transport

1. NEVER let anyone sit in this chair while in a moving vehicle.
2. NEVER transport this chair in the front seat of a vehicle. It may shift and interfere with the driver
3. ALWAYS secure this chair so that it cannot roll or shift.
4. Do not use any chair that has been involved in a motor vehicle accident

L. CENTER OF BALANCE

⚠ WARNING

The point where this chair will tip forward, back, or to the side depends on its center of balance and stability.

The Center Of Balance Is Affected By:

1. The seat height and seat angle.
2. A change in your body position, posture or weight distribution.
3. Using this chair on a ramp or slope.
4. The use of a back pack or other options, and the amount of added weight.
5. Drive wheel positioning.

To Reduce The Risk Of A Fall Or Tip-Over:

Whenever a condition exists that may change the center of balance, reduce speed, proceed cautiously, and when in doubt, always have someone help you.

M. TRANSFERS

⚠ WARNING

It is dangerous to transfer on your own. It requires good balance and agility. Be aware that there is a point during every transfer when the wheelchair seat is not below you. To prevent a fall:

1. Always turn off power before you transfer to or from your chair. If you fail to do so you may touch the joystick and cause your chair to move when you do not expect it.
2. Make sure motor locks are engaged. This keeps the chair from moving when you transfer.
3. Work with your health care professional to learn safe methods.
   - Learn how to position your body and how to support yourself during a transfer.
   - Have someone help you until you are sure you can do a safe transfer on your own.
4. Move your chair as close as you can to the seat you are transferring to. If possible, use a transfer board.
5. Rotate the front casters until they are as far forward as possible.
6. Be careful of the footrests. If you can, remove or swing them out of the way.
   - Never stand on footrests when you transfer. Doing so may damage them or cause your chair to tip.
   - Make sure your feet do not “hang up” or get caught in the space between the footrests.
7. Make sure armrests do not interfere.
8. Transfer as far back onto the seat surface as you can. This will reduce the risk that you will miss the seat or fall.

N.REACHING OR LEANING

⚠ WARNING

Reaching or leaning affects the center of balance of your chair. If done improperly, a fall or tip-over is likely. When in doubt, ask for help or use a device to extend your reach.

To Reduce the Risk of injury and/or Damage to the Chair:

1. Never reach or lean if you must shift your weight sideways or rise up off the seat.
2. Never reach or lean if you must move forward in your seat to do so. Always keep your buttocks in contact with the backrest.
3. Never reach with both hands (you may not be able to catch yourself to prevent a fall if you lose your balance).
4. Never try to pick up an object from the floor by reaching down between your knees.
5. Never put pressure on the footrests while reaching.
6. Never reach or lean over the top of the seat back. This may damage the backrest and cause you to fall.

IF YOU MUST REACH OR LEAN DO SO AT YOUR OWN RISK.

Remember to:

1. Move your chair as close as you can to the object you wish to reach.
2. Rotate the front casters until they are as far forward as possible. This makes the chair more stable.

Q-NOTE- To do this: Move your chair past the object you want to reach, then back up alongside it. Backing up will rotate the casters forward.

3. Turn off all power to your chair. If you fail to do so, you may touch the joystick and cause your chair to move when you do not expect it.

O.DRESSING OR CHANGING CLOTHES

⚠ WARNING

Be aware that your weight will shift if you dress or change clothes while seated in this chair. To make the chair more stable, rotate the front casters until they are forward.

P. OBSTACLES

⚠ WARNING

Obstacles you may have to overcome in daily use include door thresholds, lifts, ramps and hazards such as potholes and broken pavement. These can damage your chair and may cause a fall, tip-over or loss of control.

1. Be aware that thresholds are very dangerous. (Even a small change in height may stop a caster wheel and cause your chair to tip). You may need to:
   - Remove or cover threshold strips between rooms.
   - Install a ramp at entry or exit doors.
2. Keep your eyes moving when you ride; scan the area well ahead of your chair.
3. Make sure the floor areas where you use this chair are level and free of obstacles.

O.DRIVING IN REVERSE

⚠ WARNING

Use extra care when you drive your chair in reverse. You may lose control or fall if one of the rear wheels hits an object.

1. Operate your chair slowly and at an even speed.
2. Stop often and check to make sure your path is clear of obstacles.

P. RAMPS, SLOPES & SIDEHILLS

⚠ WARNING

The center of balance of your chair changes when you are on a slope.

Q-NOTE- “Slope” includes a ramp or side hill. Your chair is less stable when it is at an angle. Never use this chair on a slope unless your are sure it is safe. When in doubt, have someone help you.

Beware Of:
1. Steep slopes. Do Not use this chair on a slope steeper than 10%. (A 10% slope means: One foot in elevation for every ten feet of slope length).
2. Wet or slippery surfaces (such as when ice, snow, water or oil film is present). A loss of traction may cause a fall or tip-over.
3. A change in grade on a slope (or a lip, bump or depression). These may cause a fall or tip-over.
4. A drop-off at the bottom of a slope. (A drop-off of as small as 3/4 inch (19 mm) can stop a front caster and cause the chair to tip forward).

Q. TO REDUCE THE RISK OF A FALL, TIP-OVER OR LOSS OF CONTROL:

⚠ WARNING

1. Never use your chair on a slope unless you are sure you can do so without losing traction.
2. Always go as straight up and as straight down as you can.
- Do not "cut the corner" on a slope or ramp.
- Do not turn or change direction on a slope.

3. Always stay in the center of the ramp. Make sure ramp is wide enough that you are not at risk that a wheel may roll off the side.
4. Keep your chair moving at a slow, steady speed. Keep control over the chair at all times.
- On a descent, do not let your chair accelerate beyond its normal speed.
- If the chair picks up speed, center the joystick to slow down or stop.

Q-NOTE- The solid state controller of your chair has a logic system that will help control your speed when driving on a slope or uphill.

- If you stop, re-start slowly.

R. RAMPS AT HOME & WORK

⚠ WARNING

Before driving on a ramp, survey the condition of the ramp. On slippery ramps traction may be reduced causing your wheelchair to slide.

⚠ WARNING

Make sure ramps meet all Building Codes for your area.

1. For your safety, have a licensed contractor build or remodel ramp to meet all standards.

2. Q-NOTE- The proper design will vary, depending on such things as: the length and height of the ramp; the need for an intermediate platform; landing size; doors, and the direction of swing, and; whether the ramp includes a turn or angle.

At A Minimum:
1. Open sides of ramp must have side rails to prevent your chair from going over the edge.
2. Slope must not be steeper than one inch in height for every one foot of slope length (approximately 10º).
3. Ramp surface must be even, and have a non-skid surface.
4. You may need to add a section at the top or bottom to avoid a lip or drop-off.
5. Ramp must be sturdy. Add bracing if needed, so ramp does not "bow " when you ride on it.

S.WHEELCHAIR LIFTS

⚠ WARNING

Wheelchair lifts are used in vans, buses, and buildings to help you move from one level to another.

1. Always turn off all power to your chair when you are on a lift. If you fail to do so, you may touch the joystick by accident and cause your chair to drive off the platform. (Be aware that a "roll-stop" at the end of the platform may not prevent this).
2. Make sure there is not a lip or drop-off at the top or bottom of the platform. These may cause a fall or tip-over. When in doubt, have someone help you.
3. Always position the user securely in the chair to help prevent falls while on a lift.
4. Avoid moving forward if a wheel is "hung up" on the lip of the ramp. Backup, reposition the caster for a more direct approach. And slowly try again.

T. CURBS & SINGLE STEPS

⚠ WARNING

1. It is recommended to climb and/or descend a curb, single step, or other obstacle that a ramp or curb cut out is always used.
2. If you must climb or descend a curb, single step, or other obstacle that is greater than 2.5", it is recommended to have a person assist you in doing so.
3. In no case should you try to climb a curb, single step, or other obstacle greater than 4" high.
4. If you must climb or descend a curb or step alone do so at your own risk using extreme care and follow the following procedure:
- Proceed slowly, at a steady speed
- Go as straight up or down as you can over the obstacle. Never turn when trying to climb or descend and obstacle, doing so may result in a fall or tip-over.

5. Failure to follow the above procedures may cause:
- A Fall or Tip Over
- Damage to the frame, wheels, axles or other parts, or loose fasteners.

U. STAIRS

⊘ PROHIBITED!

Never use this chair to go up or down stairs, even with an attendant. Doing so is likely to cause a fall or tip-over.

V. ESCALATORS

⊘ PROHIBITED!

Never take this chair on an escalator, even with an attendant. Doing so is likely to cause a fall or tip-over.

⚠ WARNING

Note: If you use parts or make changes not authorized by Sunrise it may create a safety hazard and will void the Warranty.

A.ARMRESTS

⚠ WARNING

Armrests will not bear the weight of this chair.

⊘ PROHIBITED!

Never lift this chair by its armrests. They may come loose or break.

B. BATTERIES

⚠ WARNING

Always wear rubber gloves and safety glasses when you handle batteries.

⊘ PROHIBITED!

Never smoke or hold an open flame near batteries. They are a known explosion hazard.

⚠ WARNING

1. Only deep cycle sealed case construction batteries should be used in this device.
2. To prevent an acid spill, always keep batteries upright (wet cell batteries).
3. Read all of section X. Batteries before attempting to change, or charge batteries.

C. CUSHIONS & SLING SEATS

⚠ WARNING

1. Standard foam cushions and other body supports are not designed for the relief of pressure.
2. If you suffer from pressure sores, or if you are at risk that they will occur, you may need a special seat system or a device to control your posture.

• Consult your doctor, nurse or therapist to find out if you need such a device for your well-being.

D.FASTENERS

⚠ WARNING

Many of the screws, bolts and nuts on this chair are special high-strength fasteners. Use of improper fasteners may cause your chair to fail.

1. Only use fasteners provided by Sunrise.
2. If fasteners become loose, tighten them immediately.
3. Over- or under-tightened fasteners may fail or cause damage to chair parts.

• See Section VIII, "Set-Up, Adjustment & Use", for proper torque settings.

E. FOOTRESTS

⚠ WARNING

1. At the lowest point, footrests should be at least 2 1/2 inches (65 mm) off the ground. If set too LOW, they may "hang up" on obstacles you can expect to find in normal use. This may cause the chair to stop suddenly and tip forward.
2. To avoid a trip or fall when you transfer:

• Make sure your feet do not "hang up" or get caught in the space between the footrests.

• Avoid putting weight on the footrests, as the chair may tip forward.

• Remove or swing the footrests out of the way, if possible.

3. The footrest should always be in the down position when operating the chair.

⊘ PROHIBITED!

Never lift this chair by the footrests. Footrests detach and will not bear the weight of this chair. Lift this chair only by non-detachable parts of the main frame.

F. MOTOR LOCKS

⚠ WARNING

1. Do not engage or disengage motor locks unless power to the chair is off. In addition, make sure both free wheel levers are completely pushed in before turning the power on to ensure the wheelchair can be driven in a straight forward motion.
2. Be aware that the chair will not have brakes when motor locks are in the free-wheel position.
3. Make sure that the person pushing the chair has full control when motor locks are disengaged.
4. Make sure that the chair is on level ground when motor locks are disengaged.

NOTE- To release the wheel locks the wheel chair may need to be rocked back and forth slightly several times before the lock will release.

G.ON/OFF SWITCH

⚠ WARNING

1. Never use the ON/OFF switch to stop the chair except in an emergency. This will result in an abrupt stop, and may cause you to fall.
2. To slow your chair to a stop, return the joystick to neutral.

H.PNEUMATIC TIRES

⚠ WARNING

Proper inflation extends the life of your tires and makes your chair easier to use.

1. Do not use this chair if any of the tires are under- or over-Inflated. Check weekly for proper inflation level, as listed on the tire sidewall.
2. Low pressure in a tire may cause the chair to veer to one side and result in a loss of control.
3. An over-inflated tire may burst.
4. Never use a gas station air pump to inflate a tire. Such pumps provide air at high volume, and could cause the tire to burst. To prevent tire damage:
   - Use a hand pump (or low volume air pump) to inflate tires.
   - Use a tire gauge to check pressure.
5. Driving over sharp objects may cause damage to pneumatic tires and tubes.

I. POSITIONING BELTS (OPTIONAL)

⚠ WARNING

Use a positioning belt only to help support your posture. Improper use of such belts may cause severe injury or death.

1. Make sure you are not at risk to slide down in the wheelchair seat. If this occurs, you may suffer chest compression or suffocate due to pressure from the belt.
2. A pelvic wedge or a similar device can help keep you from sliding down in the seat. Consult your health care professional to find out if you need such a device.
3. The belt must be snug, but must not be so tight that it interferes with breathing. You should be able to slide your open hand, flat, between the belt and your stomach.
4. Make sure you can easily remove the belt in an emergency.

⊘ PROHIBITED!

Never use a positioning belt:

- In place of a motor vehicle seat belt. In an accident or sudden stop you may be thrown from the chair. A positioning belt will not prevent this, and further injury may result from the belt.
- As a restraint. A restraint requires a doctor's order.
- On a user who is comatose or agitated.

J. PUSH HANDLES

⚠ WARNING

1. Push handles provide secure points for an attendant to propel and control the chair. This helps to prevent a fall or tip-over.
2. Check to make sure push handle grips will not rotate or slip off.

K. SEATING SYSTEMS

⚠ WARNING

1. Use of a seating system not approved by Sunrise may alter the center of balance of this chair. This may cause a fall or tip-over.
2. Never change the seating system of your chair unless you consult your supplier first.
3. Never raise your seating system to a height of more than 22" (measuring from the front of the seat pan to the floor).

L. UPHOLSTERY FABRIC

⚠ WARNING

1. Replace worn or torn fabric of seat sling and seat back as soon as you can. If you fail to do so, the seat may fail and cause you to fall. Worn fabrics may increase the potential for a fire hazard.
2. Sling fabric will deteriorate with age and use. Look for fraying, thin spots, or stretching of fabric at rivet holes. Replace fabric as required.
3. Be aware that washing may reduce flame retardation of the fabric.

M. POWER SEATING

⚠ WARNING

1. Operation
   - While driving this wheelchair in the reclined, elevated, or tilted position use caution.
   - Do Not attempt to operate any power seating option while positioned on an incline.
   - Do Not attempt to operate any power seating option while this wheelchair is in motion.
   - Do not attempt to operate the lift or tilt power seating options around children.
   - Through programming it is possible to reverse the direction of all powered seating functions, ensure you know which direction your seat is going to move before operating.
2. Reduced Speed Driving (Creep)
   This power chair is designed to automatically reduce the maximum driving speed to a creep mode when certain power seating limits are reached.
3. Pinch points
   Pinch points may occur when operating the powered seating options on this chair. Ensure all hands and body parts are clear of all power seating components that may result in pinch points before operating them.
4. Tilting Power Base with Push Handles
   Do not attempt to tilt power wheelchairs by pulling down on the push handles. Power wheelchairs have heavy bases. As such, attempting to tilt a power wheelchair to traverse obstacles can damage components in the seating system and/or modular actuators.
5. Remain Clear During Power Accessory Operation
   Please stay clear of any powered actuator while the component is in motion. Sunrise power mechanisms move over large ranges of travel. Users should be aware of their surroundings while components are in motion.
6. Maximum User Weight
   Do not exceed the weight capacity for your specific chair/seating system configuration. Doing so could result in premature failure or injury.

7. Latch Mode
   While operating any power seating function in latched mode use caution. In latch mode, powered seating will not stop until a reverse command is performed or the end of travel is met.

O.CG TILT POWER ACCESSORY

⚠ WARNING

The powered CG Tilt accessory for this chair has a maximum user weight capacity of up to 400 lbs. Never exceed this capacity while operating the powered actuator.

P. LIFT POWER ACCESSORY

⚠ WARNING

The powered lift modular accessory for this chair has a maximum user weight capacity of up to 300 lbs. Never exceed this capacity while operating the powered actuator.

Q.POWER RECLINE

⚠ WARNING

Pinch Point

Avoid putting hands or fingers near the power recline mechanism while in operation.

Weight Capacity

The maximum user weight capacity for the power recline is up to 400 lbs. Exceeding this weight capacity could lead to injury and/or permanent damage to the equipment.

R. POWER LEGREST ACCESSORY

The power legrest accessory for the Xperience has a maximum user weight capacity of up to 300 lbs or 400 lbs depending on your chair configuration. Never exceed this capacity while operating the powered actuator.

S. TRANSIT USE

Your chair has been manufactured with built-in Transport Brackets on.

⚠ WARNING

These transport brackets have not been crash-tested in accordance with WC-19. Use these transport brackets only to secure an unoccupied wheelchair during transport

1. NEVER let anyone sit in this chair while in a moving vehicle.
2. NEVER transport this chair in the front seat of a vehicle. It may shift and interfere with the driver
3. ALWAYS secure this chair so that it cannot roll or shift.
4. Do not use any chair that has been involved in a motor vehicle accident.

SET UP, ADJUSTMENT AND USE

NOTES

1.**Work Surface For Set-Up**:

Use a flat surface, such as a table, to assemble, adjust and check your chair. This makes the steps easier and helps ensure a correct set-up.

2. Fasteners:

- Many of the screws and bolts on this chair are special high-strength fasteners and may have special coatings.
- Many nuts are of the Nylock type. They have a plastic insert to help prevent loosening.
- Only use screws, bolts and nuts provided by Sunrise.

⚠ WARNING

1. Use of improper fasteners may cause the chair to fail.
2. Over- or under-tightened fasteners may fail or cause damage to chair parts.
3. If bolts or screws become loose, tighten them as soon as you can. Loose bolts or screws can cause damage to other chair parts causing them to fail.

3. Washers & Spacers:

- Note the position of washers and spacers before disassembly.
- To avoid damage to the frame, replace all washers and spacers when you reassemble parts.

TOOLS YOU WILL NEED

1. Basic Tool Kit:

To set-up, adjust and maintain your chair you may need the following tools:

- Combined Phillips and flat screw driver
- Standard metric wrenches from 10mm
- Metric Allen wrenches from 5mm
- Imperial wrenches from 1/4" to 9/16"
- Imperial Allen wrenches from 5/64" to 1/4"

You can obtain a multi-purpose tool kit from Sunrise, or buy the tools you need from a hardware store.

2. Torque Wrench:

If you plan to adjust and maintain this chair yourself, Quickie recommends that you use a torque wrench.

Q-NOTE- The wrench must measure inch-pounds (N.m). You can buy a torque wrench and proper sockets from a hardware store.

A.BATTERY REMOVAL

To remove the batteries for transporting or servicing:

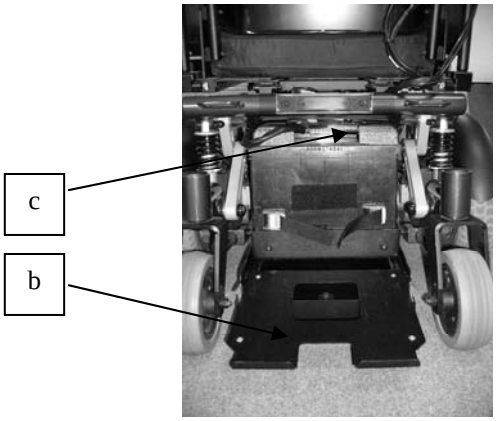
Remove Batteries

a. Push panel when pulling the handle (a).
b. Drop panel and pull-out tray extension (b).
c. Carefully pull battery pack until cable connection is accessible (c).
d. Disconnect and pull tray to full deployment to remove the batteries.
e. Lift the battery from the compartment using the battery carrying straps.
f. Repeat operation in reversed steps to put the batteries back in.



⚠ WARNING

Batteries may weigh up to 55 lbs. (25 kg). Care must be taken to avoid injury when lifting.



B. SWING-AWAY FOOTRESTS

1. Installation

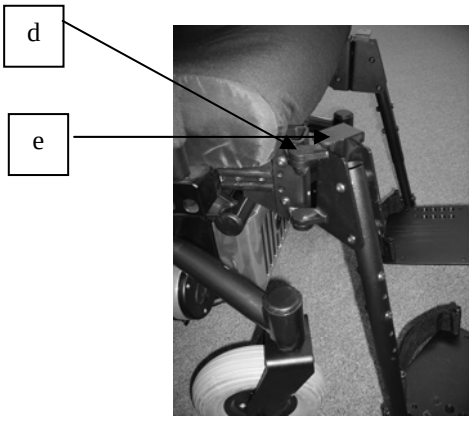
a. Place swing-away pivot pin (d) into the locating hole on top of the hanger mount with the footrest facing outward from frame.
Rotate the footrest inward until latch plate locks (e) into place on locking bolt..

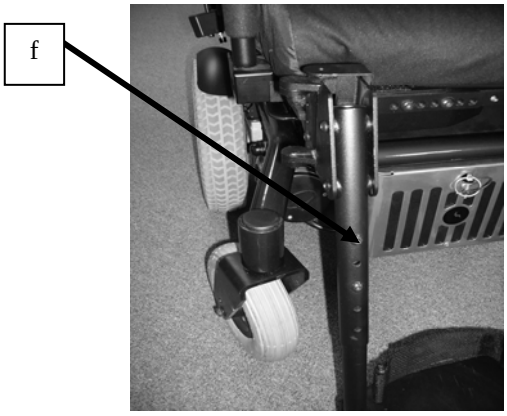
2. Removal

a. To remove footrest, press quick-release lever (e).
b. Rotate footrest outward and lift.

3. Height Adjustment

a. Remove both bolts (f) in the hanger frame tube.
b. Reposition the footrest.
c. Re-tighten all bolts (f).

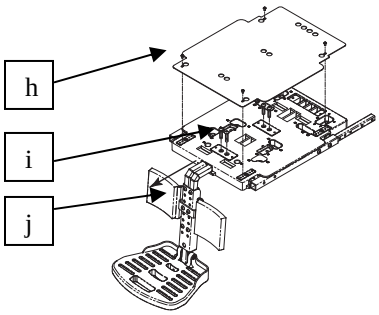




C. ELEVATING LEGREST (OPTIONAL)

1. Installation

To install or remove Elevating Legrest (ELR) see instructions for Swing-away Footrest installation.



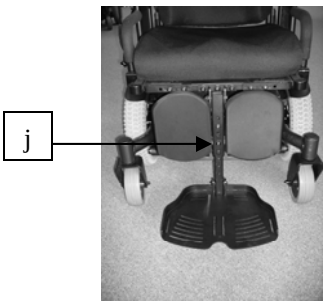
D. CENTER MOUNT HANGER ADJUSTMENT

(ASAP Seating only)

1. Removal (ASAP Seat)
a. Remove the seat pan by removing the four attachment bolts (h).
b. Remove the four bolts (i) and slide the footrest out.

2. Height Adjustment
a. Remove the two securing bolts (j).
b. Move footplate to desired height.
c. Re-install bolts (j) through desired holes.

3. Calf Pad Adjustment
a. Remove the one securing bolt (j)
b. Move calf pad to desired height.
c. Re-install bolts (j) through desired hole.

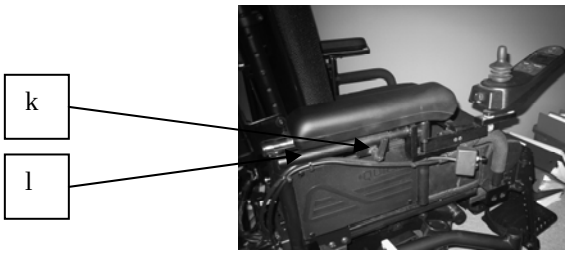


E. JOYSTICK

Please refer to the Penny & Gilles user's manual provided with the information package

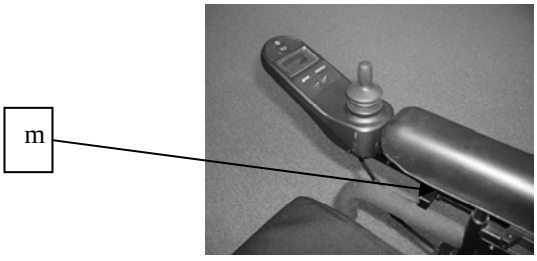
F. TO ADJUST THE DEPTH OF THE JOYSTICK

1. Loosen the wing-nut (k).
2. Slide the mounting bracket (tube) (l) in or out until in desired position.
3. Retighten the wing-nut (k)



G. TO USE THE SWING AWAY FUNCTION

1. Push to release the lever (m)
2. Continue pushing until the joystick bracket is fully retracted.
3. To bring back , pull the joystick firmly towards you until it gets back in it's locked position.

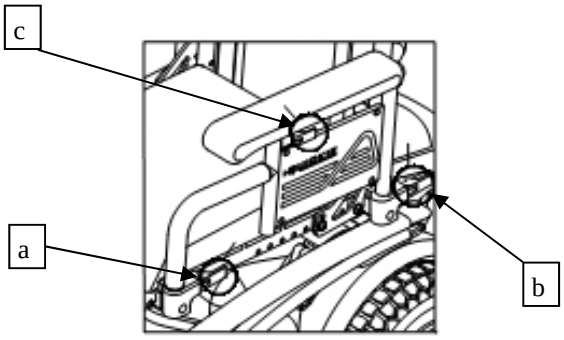




H. DUAL-POST HEIGHT-ADJUSTABLE ARM-RESTS

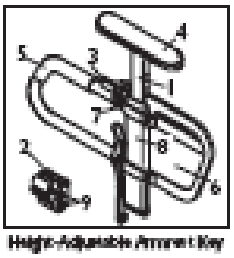
The dual-post flip-back armrest can be used as either a flip-back armrest or a removable armrest.

1. Installing Armrest
   a. Insert front and rear posts into armrest receivers.
   b. Engage levers (a and b) to secure armrest.
2. Set-up for Flip-back Operation
   a. Disengage lever (a) so front post is able to come free.
   b. Armrest now has the ability to be flipped back without removal.
3. Set-up for Removal
   a. Disengage levers (a and b) so front and rear posts are able to come free.
   b. Armrest can now be easily removed for transferring.
4. Height-Adjustment
   a. Release the upper securing lever (c).
   b. Set at desired height.
   c. Return securing lever to locked position.
   d. Move armrest up or down to allow armrest to snap into place.



I. SINGLE POST HEIGHT-ADJUSTABLE ARMRESTS (OPTIONAL)

1. Installation
   a. Slide the outer armpost into the receiver mounted to the wheel chair frame.
   b. The armrest will automatically lock into place.
2. Height Adjustment
   a. Rotate release lever to stop.
   b. Slide armrest pad up or down to desired height.
   c. Return lever to locked position.
   d. Push arm pad until upper armpost locks firmly into place.
3. Removing Armrest
   a. Rotate release lever and remove the armrest.
4. Replacing Armrest
   a. Slide armrest back into receiver.
   b. Return release lever to locked position against armpost.
5. Adjusting Armrest Receiver Fit
   To tighten or loosen the fit of the outer armpost in the receiver:
   a. Loosen the four bolts on the sides of the receiver.
   b. With the armrest in the receiver, squeeze the receiver to achieve the desired fit.
   c. Tighten the four bolts.
6. Adjusting Inner Armpost Fit
   a. Two set screws are installed in the outer armpost.
   b. Turn the set screws in or out until the desired fit is achieved.



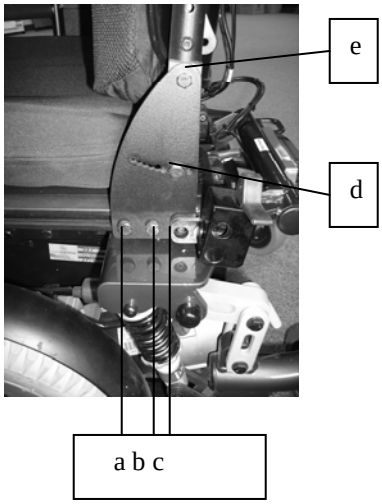
Height-Adjustable Armrest Key

1. Inner Arm Post
2. Receiver
3. Release Lever, Locked Position
4. Armrest Pad
5. Transfer Bar
6. Side Panel
7. Tension Adjustment Set Screw
8. Outer Arm Post
9. Receiver Adjustment Bolts

J. SEAT DEPTH

The seat depth can be adjusted in one inch increments on standard rehab seating.

1. Seat Frame Depth Adjustment
   a. To adjust, loosen the two bolts (a & b) of the backrest pivot plate side on each side of the seat.
   b. Reposition the backrest to the desired position.
   c. Retighten and retighten bolts on each side of the backrest pivot plate.
2. Back Angle Adjustment on Seat Frame
   a. Remove the front securing bolt (d) on the side of the backrest pivot plate.
   b. Loosen the lower rear bolt (e)
   c. Set at desired angle. There are ten holes (in 3º increments) to choose from.
   d. Reinstall the front bolt and tighten both bolts securely.



SEATING SYSTEM

POWER RECLINE TILT/LIFT OPERATION

The power recline, tilt , and lift features on your chair can be operated using the joystick on your chair. Please refer to the AMYSYSTEMS user's manual provided with the information package.

IX. OPERATING GUIDE

A.PERFORMANCE CONTROL SETTINGS

Q-NOTE- Seek advice regarding checking and adjusting settings.

It is vital to match control settings to your level of function and ability.

Consult your health care professional and your supplier to select the best control setting for you.

For your safety, have the setting of your chair verified every six months.

⚠ WARNING

Have your control settings re-adjusted immediately if you notice any change in your ability to:

- Control the joystick.
- Avoid running into objects.

4.Control Settings can be adjusted by your dealer.

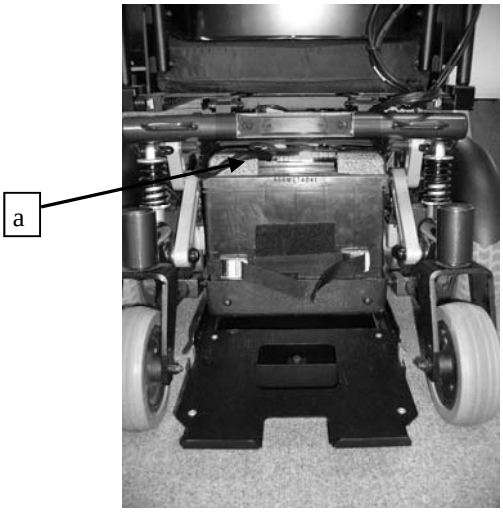
B. THERMAL ROLL-BACK

Your chair has a thermal roll back circuit. This protects the controller from damage due to overheating. In extreme conditions (such as repetitive hill climbing) the circuit will decrease the power to your motors. This allows the chair to operate at a reduced speed. When the controller cools, the chair will return to normal speed.

C.CIRCUIT BREAKERS

Your Quickie Xperience has a single circuit breaker.

- In the unlikely event of a short circuit or heavy overload, all power to your chair will be shut off.
- To reset your chair, depress the circuit breaker button. A few minutes wait is required before the circuit breaker will reset.



To access the circuit breaker

- Push the battery box panel when pulling the handle.
- Drop the panel down and the circuit breaker becomes visible (a).
- Reset the circuit breaker.
- Lock the panel back in it's upright position.

Repeated Shutdown:

If the chair continues to shut down after resetting, have it serviced by a supplier.

D. JOYSTICK ASSEMBLY

The joystick connects to a controller, which controls the chair's performance. The joystick varies based on the option selected for you.

1. VR2 Joystick *

2. R-Net (Option)*

**Please refer to the user's manual provided with information package.*



VR2



R-Net

E.ENHANCED DISPLAY

Please refer to the P & G Enhanced Display owner's manual.

F. MOTOR LOCKS

Disconnect the motor locks when you need to manually push the chair. (For example, in an emergency, or if batteries fail).

⚠ WARNING

1. Do not disengage motor locks unless power to the chair is off.
2. Be aware that the chair will not have brakes in the free-wheel position.
3. Make sure that the person pushing the chair has full control when motor locks are disengaged.



1. To Disengage Motor Locks:
Pull the lever (b) towards you (from the back) to disengage the motor lock.

2. To Engage Motor Locks:
Push the lever in to return to the drive position.

Q-NOTE- If the lever is difficult to disengage, rock the wheelchair slightly from front to rear and/or push against the chair while moving the lever.

A.INTRODUCTION

1. Notes-
   • Batteries supply the power for your chair. They contain a finite amount of energy and have limits on how long they can store and supply energy.
   • You can charge batteries only a certain number of times before they will fail and no longer hold a charge.
   • For answers to questions about batteries, consult your supplier.
2. Use Proper Batteries:
   Your chair operates on two 12 volt batteries.
   • They should be Group 24 (or 22NF) size with a minimum of 50 ampere hour rating. Only deep cycle sealed case construction batteries should be used in this device.
   • Connecting configuration. They should have a post and clamp style connection.
   • When you buy a replacement, insist on a deep cycle sealed case type. Do not use a car starter battery.
   • Group 24 batteries are a minimum requirement for power seating.
3. Breaking In:
   • A battery requires “breaking-in” for the first 6 to 12 charges. It will not accept a full charge for this period.
   • It is best to limit the length of your trips until you break the batteries in and you know the range of your chair.
4. Discharged Batteries:
   • Never allow a battery to completely discharge. If you operate your wheelchair until it has almost stopped, you will greatly reduce the life of your batteries.
   • Never let a battery sit in a discharged condition. Give unused or stored batteries a full charge once per month.
   • Always fully charge the batteries. Avoid “topping off ” with frequent charges.

⚠ WARNING

Never connect a life support or auxiliary device to a wheelchair battery. The electrical system may fail, and result in severe injury to or death of user.

B. BATTERY CHARGER

A battery charger produces a direct current (DC). When applied to a discharged battery, this reverses the chemical reaction that led to its discharge.

1. Charge Rate. How fast a battery will charge depends on:
   • Its electrical capacity; state of charge; electrolyte tempera ture, and; internal condition.
   • The DC output of the charger. (The charge rate will vary ifthe alternating current (AC) supply is higher or lower than 110 volts).
2. Caution — To Avoid Damage to the Charger:
   • Never place the charger on top of a battery during charging. (Gases from the battery can damage the charger and may lead to an explosion or fire).
   • Never place a battery on top of the charger.
   • Never expose charger to rain or snow.
   • Never unplug charger by pulling on the electrical cord. This will damage the cord.
   • Never open a charger or attempt to repair it yourself. Return
   • Keep cord out of the way, where it will not be stepped on, tripped over, or damaged.
3. Caution — To Avoid Damage to the Battery:
   • Make sure you use the correct setting for sealed (gel) batteries (located on the off-board charger).
   • Never charge a frozen battery. A fully charged battery will rarely freeze, but the fluid in a discharged battery can freeze at 16 degrees Fahrenheit (minus 9 degrees Centigrade). If you suspect a battery is frozen, thaw it before charging.

⚠ WARNING

Lead acid batteries generate explosive gas while charging. Completely read and follow all warnings about the batteries in this user instruction manual and any labels applied to the product. Failure to do so could result in fire, explosion, injury and/or death.

C. ACID BURNS (unsealed wet cell batteries)

Acid in batteries is corrosive. It can cause serious burns to the eyes and skin and can damage floors, furniture, clothing and your wheelchair.

⚠ WARNING

1. Use extreme care not to spill acid when you handle batteries. Keep batteries upright.
2. Avoid contact of acid with bare skin or clothing.
3. Always wear rubber gloves and safety glasses when you handle batteries.
4. If acid contacts your skin or clothing, wash immediately with soap and water.
5. If acid contacts your eyes, immediately flood eyes with cold running water for at least 15 minutes. Seek medical attention immediately.

D. CONNECTING BATTERIES IN BATTERY COMPARTMENT

⚠ WARNING

1. Batteries weigh up to 55 lbs. (25 kg). Take care to avoid injury when lifting.
2. Keep batteries upright. Take care not to spill acid (wet cell batteries).
3. Always wear rubber gloves and safety glasses when you handle batteries.
4. Before working around batteries, remove all metal personal effects, such as necklaces, rings, watches, pins and other metal jewellery that might contact battery terminal and cause a short.

1. Lift batteries into battery compartment.

⚠ WARNING

Batteries weigh up to 55 pounds (25 kg). Lifting batteries may cause back strain. If you fail to heed these warnings severe injury may occur to you.

2. Connect and disconnect battery cables with caution. Connect the red lead to the positive terminal and the black lead to the negative terminal. Do this for each battery.
3. Tighten all terminal fasteners using two 1/2" box end

wrenches to 60 in-lbs (6.8 N.m).

4. Place the battery compartment lid on power base.

PROHIBITED!

Never make direct contact across both battery terminals, as an ex plosion may occur. A spark may result in an explosion and/or fire resulting in severe injury or death.

E. CHARGING BATTERIES

WARNING

To avoid the risk of severe injury or death from electrical shock, fire or explosion while charging:

PROHIBITED!

Never connect charger to a 240 volt source. The main input voltage is 110 volts.

WARNING

Never touch the charger after it is connected to an electrical outlet. This may cause electrical shock.

• Never connect or disconnect charger from battery while there is power to the charger.

WARNING

1. Never use an extension cord. Use of an improper cord could damage the charger or cause a fire or electrical shock.
2. A battery emits explosive hydrogen gas during charging. To reduce the risk of fire or explosion:
• Make sure area is well vented. Never charge battery in a closed-in area.
• Never smoke or allow a spark, flame or high heat near battery during charging.
• Never allow metal tools or chair parts to make direct contact across both battery terminals
3. Never look directly into cells when charging battery (wet cell batteries).

ALWAYS:

1. Use the charger that comes with your wheelchair. Read and follow all instructions and warnings.
2. Make sure room is well ventilated.
3. Turn off all power to your chair.
4. Connect and disconnect battery cables with caution.

Q-NOTE- Always remove and reattach the negative cable (black cable) first.

5. Make sure to allow enough time to fully charge batteries.

Q-NOTE- Batteries should never be left for long period in the discharged state. Unused or stored batteries should be given a charge once per month.

6. To charge batteries, use the off-board charger by plugging off-board charger plug into the off-board charger socket.

F. DISPOSING OF BATTERIES

WARNING

1. All batteries once they have reached the end of their useful life are deemed to be hazardous waste.
2. For further information on handling and recycling contact your local recycling authority.
3. Always dispose of product through a recognized agent.

XI. MAINTENANCE

A.NOTES

1. Proper maintenance will improve performance and extend the useful life of your chair.
2. Clean your chair regularly. This will help you find loose or worn parts and will make your chair easier to use.
3. To protect your investment, have all major service and repair work done by your supplier.

WARNING

1. Your chair needs regular maintenance for peak performance and to avoid injury from chair failure, damage or premature wear.
2. Inspect and maintain this chair strictly per the "Maintenance Chart".
3. If you detect a problem, make sure to service or repair the chair before use.
4. At least once a year, have a complete safety check and service of your chair performed by a supplier.

B. CLEANING

1. Paint Finish:
• Clean the paint finish with mild soapy water monthly.
• Protect the paint with a coat of non-abrasive auto wax every

2. Motors:
• Clean around motor area weekly with a slightly damp (not wet) cloth.
• Wipe off or blow away any fluff, dust, or dirt on or around the motors.

Q-NOTE- You do not need to grease or oil the chair.

3. Upholstery:
• Hand-wash only as needed. Machine washing may damage fabric.
• Drip-dry only. Heat from a dryer may damage fabric.

Q-NOTE- Washing the fabric may decrease fire retardant properties.

C. STORAGE TIPS

1. Store your chair in a clean, dry area. If you fail to do so, parts may rust or corrode.
2. Before using your chair, make sure it is in proper working order. Inspect and service all items on the "Maintenance Chart".
3. If you store this chair for more than three months, have it inspected by a supplier before use.

D. BATTERY MAINTENANCE

⚠ WARNING

1. To prevent an acid spill, always keep batteries upright (wet cell batteries).
2. Never smoke or hold an open flame near batteries.
3. Always wear rubber gloves and safety glasses when you handle batteries.

1. Maintenance Schedule:

This varies for different types of batteries. Always follow the instructions supplied with your batteries.

Q-NOTE- Always wear rubber gloves and safety glasses when you handle or service batteries.

2. Adding Water: (Wet Cells Only)

• Wet-type lead acid batteries need periodic replacement of water due to evaporation.

Q-NOTE- Use distilled water only.

Check the battery fluid level about once a week. When you remove the stoppers (on top of the battery) there should be one-eighth to one-quarter of an inch of fluid above the internal plates. Do not overfill.

3. Corrosion:

Check battery terminals often for corrosion.

a. If corrosion is present, use a wire brush to clean the terminals.

Q-NOTE- Always wear safety glasses and rubber gloves.

b. Use baking soda to neutralize acid.

c. Use petroleum jelly to re-grease the terminals after connecting cable to battery. (Completely cover the terminal nut and bolt, cable clip and any exposed cable with jelly).

4. For Answers To Questions: Contact your supplier.

E. PNEUMATIC TIRES

⚠ WARNING

1. Do not use this chair if any of the tires are under- or over-inflated.
2. Low pressure in a tire may cause the chair to veer to one side and result in loss of control.
3. An over-inflated tire may burst.
4. Never use a gas station pump to inflate a tire. Such pumps provide air at high volume, and may cause tire to burst.

1. Check for signs of wear and correct air pressure in pneumatic tires weekly.
2. For best performance, inflate tires to the same pressure level, as shown on the tire sidewall:

14" pneumatic drive wheels 35 to 45 psi (240 to 310 kpa)

3. CAUTION- To prevent tire damage:

Use a hand pump (or a low volume air pump) to inflate tires.

Use a tire gauge to check pressure.

F. TO REPAIR OR REPLACE A TIRE

⚠ WARNING

Residual air pressure in tires can cause severe injury. Make sure you release all air in tire before attempting to service or repair tires.

1. 6" Caster Wheels:

a. Remove caster wheel from fork using a 1/2" wrench. b. Make sure there is no residual air in tire before you remove bolts that hold the two rim halves together.

c. Remove four bolts from rim using a #3 phillips screwdriver. Separate two halves of rim.

d. Repair or replace inner tube.

e. Reassemble the caster wheel; make sure the bearing spacer is in place and all four bolts are tightened to a torque of 60 in.-lbs. (6.8 N.m).

f. Mount caster wheel onto fork. Install washers correctly tighten bolt to 240 in.-lbs. (27 N.m).

2. 14" Drive Wheels:



a. Elevate and securely support chair so that wheel is off the ground. Release all air from tire.

b. Remove four (4) lug nuts (A) from rim using a socket wrench.

c. Make sure all air has been removed from tire. Remove the eight bolts inside the rim. Separate two halves of rim (B).

d. Repair or replace inner tube. Reassemble the wheel. Use a torque setting of 120 in.-lbs. (13.5 N.m) to re-tighten bolts.

e. Inflate tire to proper pressure level (listed on tire sidewall).

G. ORDERING PARTS

When you order parts, provide the following:

1. Model of chair
2. Serial number of chair
3. Left hand or right hand control
4. Part number, description and quantity of parts you need. 5. State reason for replacement.

H.MAINTENANCE CHART

You should check the items on this chart at the indicated intervals. If any of the items are loose, worn, bent or distorted, immediately have them checked and/or repaired by your authorized Sunrise supplier. Frequent maintenance and servicing will improve performance, extend wheelchair life, and help prevent injuries.

CHECK...	Daily	Weekly	Monthly	Quarterly	Annually
Charge Batteries	X				
Check tires for proper inflation level		X			
Check batteries for proper electrolyte level (wet only)		X			
Check plugs and connectors for proper connections			X		
Check all moving parts for wear				X	
Inspect all nuts, bolts and fasteners for looseness or wear				X	
Inspect upholstery for wear				X	
Service by authorized supplier					X

1. LIMITED WARRANTY

Sunrise Medical warrants components of this wheelchair against defects in materials and workmanship from the original date of purchase from Sunrise Medical as follows:

Warranty

Five (5) years: Base Frame, Seat Frame, Interface Brackets, and Structural Components

Two (2) years: All Electronic Components, & Actuators (Tilt, Recline, Lift, Power Legs)

Eighteen (18) months: Motors/Gearbox

Ninety (90) days: Wheels, Upholstery, Plastic or Rubber Parts, & Painted Surfaces

Six (6) months: All other Original Components

2. REPLACEMENT PARTS WARRANTY

If an item is replaced under warranty, that items new warranty period shall be the greater of the remaining original item's warranty

One (1) year: Base Frame, Seat Frame, Interface Brackets, and Structural Components

Six (6) months: Motors/Gearbox, All Electronic Components, &Actuators (Tilt, Recline, Lift, Power Legs)

Thirty (30) days: Wheels, Upholstery, Plastic or Rubber Parts, & Painted Surfaces

Ninety (90) days: All other Original Components

3. WHAT WE WILL DO

Our sole liability is to repair or replace covered parts. This is your only remedy for consequential damages.

4. WHAT YOU MUST DO

a. Return the warranty card.
b. Obtain from us, while this warranty is in effect, prior approval for return or repair covered parts.
c. Return the wheelchair or part(s), freight pre-paid, to Sunrise Medical Canada Inc.
237 Romina Drive, Unit 3
Concord, Ontario
L4K 4V3
d. Pay the cost of labour to install or repair parts.

5. NOTICE TO CONSUMER

There are no other express warranties. To the extent permitted by law, any implied warranty (including a warranty of merchantability or fitness for a particular purpose) is limited to:

a. One (1) year from the first consumer purchase, and
b. Repair or replacement of the defective part only.

This warranty gives you certain legal rights. You may also have other rights that vary from province to province.